



Dart Aerospace Ltd.
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
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RBD29905

Job Sheet 184446



Part No: RBD29905

Job Qty: 2 ea

Part Name: Engine Hoist Rope Pulley System



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/10/18

Job Tracking No:

Due Date: 12/17/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBD29905 Rev G IPP Rev A 17.11.15 New issue DP Verify DD/IPP Rev B DWG update DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea		12/17/18	0.00	0.00	Start Up Small Fab-2		NLL
110	Small Fab	2 pcs		12/17/18	0.00	4.00	Small Fab		NLL DAS
120	QC	2 pcs		12/17/18	0.00	0.00	QC5		DEC 28 2018 68
130	Packaging	2 pcs		12/17/18	0.00	0.00	Packaging3		DEC 28 2018 69 9-89 DAS
140	QC21-SA	2 Ea		12/17/18	0.00	0.00	QC21		DEC 28 2018 70 9-89

Part Op 110 - Assemble as per DWG. Sheet 1 & 2 ***Trim rivets prior to bucking as per note 8 sheet 2***
Descriptions: 130 - Bag and tag

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
97481A351	Aluminum Rivet 1/4 Rnd X 1 1/4	4 Ea (2 ea)	90-Start up Operation	5015397
97481A357	Aluminum Rivet 1/4 Rnd X 2	4 Ea (2 ea)	90-Start up Operation	5105398
RBD29905-1	Side Plate	8 Ea (4 ea)	90-Start up Operation	5049846
RBD29905-11	Short Center Pin	2 Ea (1 ea)	90-Start up Operation	5138564
RBD29905-13	Long Center Pin	2 Ea (1 ea)	90-Start up Operation	5138559
RBD29905-15	Center Plate	10 Ea (5 ea)	90-Start up Operation	51304944 513033 129
RBD29905-3	Cord Handle	2 Ea (1 ea)	90-Start up Operation	5049857
RBD29905-5	Hook	8 Ea (4 ea)	90-Start up Operation	5053125
RBD29905-7	Bushing	28 Ea (14 ea)	90-Start up Operation	5135541
RBD29905-9	Pulley	14 Ea (7 ea)	90-Start up Operation	5137499
W9710R	Paracord	100 ft (50 ea)	90-Start up Operation	5020839

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	97481A351	4	48	0
	97481A357	4	48	0
	RBD29905-1	8	8	0
	RBD29905-11	2	1	0
	RBD29905-13	2	0	0
	RBD29905-15	10	10	0
	RBD29905-3	2	5	0
	RBD29905-5	8	18	0
	RBD29905-7	28	0	0
	RBD29905-9	14	0	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER :					

Part Specifications

Specifications could not be found.

Plex 10/10/18 8:39 AM Dart.lajeunesse.marie



Container No: S140420



Part: RBD29905

Job No: 184446

Serial No/Batch: S140420

Revision: G

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 12/27/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

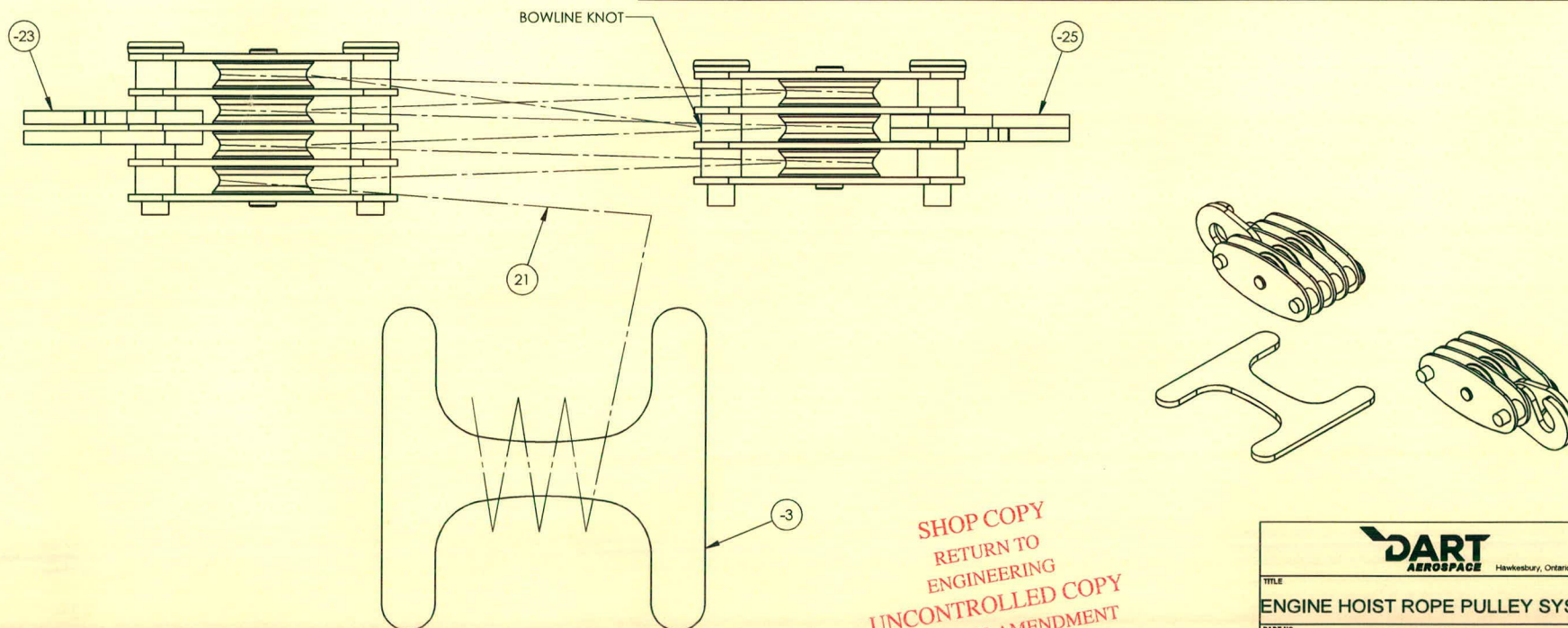
QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

ITEM #	QTY	PART #	TITLE
-3	1	RBD29905-3	CORD HANDLE
-23	1	RBD29905-23	4 PULLEY ASSY
-25	1	RBD29905-25	3 PULLEY ASSY
21	1	PARAGEAR#W9710R	TYPE IV NYLON CORD 3/16" DIA x 50FT LG.

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
1	-3 CORD HANDLE LENTHENED .25 AND WIDENED .5	-	7/14/06	WP	DW
2	ADDED KNOT SPEC.'S, CHANGED -19 RIVET FROM Ø1/4x1-1/2, REORGANIZED AND ADDED NEW REV. LOG, TITLE BLOCK & BOM.	-	9/14/07	WP	RW
2A	CH'D USED ON MODEL FROM BELL 206 TO MD PER E.B.	-	9/17/10	RJC	EB
3	ADDED -15 MATERIAL, CH'D -19 P/N FROM Ø7481A357 RIVET TO 1-1/2 LONG, CH'D -1 CENTER HOLE FROM Ø.225, ADDED -11 & -13 TOLERANCE TO Ø.250 OER G.E. MOVED PARTS TO SEPARATE PAGES.	-	4/16/12	RJC	GE
4	UPDATED TO NEW DRAFTING STANDARD, CORRECTED -1 ENGRAVE FROM P/N TO T/N. CH'D -3 Ø.375 TO Ø.38. CH'D -7 Ø.375 TO Ø.37.	15-0187	7/31/2015	SM	JAG
5	-1 CH'D DIM WAS 3X Ø.250 +.005-.000 IS 3X Ø.255 +.005-.000. -7 CH'D DIM WAS Ø.255 IS Ø.255 +.005-.000. -9 CH'D DIMS WAS Ø.375 +.005-.000 SLIP FIT WITH -11, -13 IS Ø.380 +.005-.000 (S.F. -11 & -13), WAS 50" IS 2X 50". WAS R.03 IS 2X R.03. -11 CH'D MATL WAS 1018 IS 1018/1020 CR. ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. -13 CH'D MATL WAS 1018 IS 1018/1020 CR. ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. -15 CH'D DIM WAS Ø.375 +.005-.000 IS Ø.380 +.005-.000. -19 CH'D B/O REF WAS Ø1/4 X 1-1/2 (#97481A353) IS Ø1/4 X 2 (#97481A357)	17-0066	3/20/2017	DPD	JAG
F	ASSY -23 & -25 ADDED, TEMPLATE UPDATED	17-791	18.1.19	VM	ML
G	CHANGED KNOT TO BOWLINE, ADD NOTE TO TRIM RIVET (ITEM 19) TO 1.65" LONG, REVISED COPYRIGHT DATE	18-532	18.2.05	ML	ML



NOTES:
 1) MATERIAL: N/A
 2) HEAT TREAT: N/A
 3) FINISH: N/A
 4) SPEC: N/A
 5) BREAK ALL SHARP EDGES: N/A
 6) IDENTIFICATION: N/A

RBD29905 ENGINE HOIST ROPE PULLEY SYSTEM

SHOP COPY
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 ENGINEERING
 UNCONTROLLED COPY
 SUBJECT TO AMENDMENT
 WITHOUT NOTICE
 WORK ORDER
 NO. 184496 MJS
 1810-10 MLee

DART AEROSPACE Hawkesbury, Ontario, Canada	
TITLE ENGINE HOIST ROPE PULLEY SYSTEM	
PART NO. RBD29905	REV G
TOOL NO. RBD29905	
INITIALS AND DATE DESIGNED BY: VM 1/19/2018 DRAWN BY: ML 02/05/2018 CHECKED BY: ML 02/05/2018 MFG REVIEW BY: ML 02/05/2018 APPROVED BY: ML 02/05/2018	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES INTERPRET PER ASME Y14.5M-2009 DIMENSIONS APPLY AFTER FINISHING TOLERANCES: .XXX ±.006 .XX ±.01 .X ±.1 FRACTIONS ± 1/8 ANGLES ±.6° SURFACE ROUGHNESS SCALE: NTS SHEET 1 OF 11
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